NAME OF THE WORK: CONSTRUCTION OF 1ST FLOOR ABOVE LIBRARY BUILDING FOR HEALTH CENTER FOR POURAKARMIKAS AT HMT LAYOUT IN WARD NO.09.

EMB

(Pre-Measurement Sheet and Measurement Sheet)

First and Final Bill

NAME OF THE WORK: CONSTRUCTION OF 1ST FLOOR ABOVE LIBRARY BUILDING FOR HEALTH CENTER FOR POURAKARMIKAS AT HMT LAYOUT IN WARD NO.09.

EMB

First and Final Bill

Pre-Measurement Sheet

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: Construction of 1st Floor above Library Building for Health Center for Pourakarmikas at HMT Layout in Ward No.09.

PRE MEASUREMENT SHEET

First And Final Bill

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item No.05		Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia,complete as per specifications and as per the directions of the Engineer-in-charge of the work							
Measurments Taken On									
			No	1				1.00	
							Total Executed Quantity	1.00	
							Qty Carried to Summary	1.00	

13/3/24

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: Construction of 1st Floor above Library Building for Health Center for Pourakarmikas at HMT Layout in Ward No.09.

MEASUREMENT SHEET

First And Final Bill

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
Item No.01		Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid with a bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials, mortar and labours etc., complete as per specifications and as per the directions of the Engineer-in-charge of the work -do-using silver grey granite/Multy Red/Ruby Red/Black/Hassan Green Granite of width not less than 1200mm								
Measurments Taken On										
		2nd Floor								
		Hall	Sqm	1	24.50	14.50		355.25		
		Verandah	Sqm	1	7.94	4.62		36.68		
		Skirting								
		Hall	Sqm	2	24.50		0.10	4.90		
			Sqm	2	14.50		0.10	2.90		
		Columns	Sqm	6	1.80		0.10	1.08		
		1st Floor								
		Hall	Sqm	1	13.60	14.50		197.20		
		Skirting								
		Hall	Sqm	2	13.60		0.10	2.72		
		Deducation								
		Columns	Sqm	-6	0.49	0.24		-0.70		
							Total Executed Quantity	600.04		
							Schedule B quantity	600.04		
							Now to be Paid Quantity	600.04	2828.52	1697214.00
Item No.02		Providing and finishing external walls in two coats with Water Proof Cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour,complete as per specifications and as per the directions of the Engineer-in-charge of the work								
Measurments Taken On										
		Senior citizen Building								
		Ground Floor								
		West Side								
		Wall	Sqm	1	17.46		3.75	65.48		
		Slab projection								
		Top Face	Sqm	1	17.46	0.45		7.86		
		Bottom Face	Sqm	1	17.46	0.37		6.46		
		Side Face	Sqm	1	17.46		0.15	2.62		
		Beam	Sqm	1	17.46	0.09		1.57		
			Sqm	1	17.46		0.30	5.24		
		Column	Sqm	6	0.34		3.90	7.96		
			Sqm	10	0.45		3.75	16.88		
		Chejja								
		Size 2.2X0.45	Sqm	8	2.20	0.45		7.92		
			Sqm	8	0.45		0.10	0.36		
		Size 1.56X0.45	Sqm	2	1.56	0.45		1.40		
			Sqm	2	0.45		0.10	0.09		
		Plinth Beam	Sqm	1	17.46		0.30	5.24		
			Sqm	1	17.46	0.09		1.57		
		Deduction	Sqm	-4	1.45		1.80	-10.44		
		Window	Sqm	-1	1.20		1.46	-1.75		

Asst. Executive Engineer Project Division Yelahanka Zone BBMP, Bangalore - 92

Asst. Executive Engineer Project Division Yelahanka Zone BBMP, Bangalore - 92

Assistant Executive Engineer, R.R. Nagar, Sub-Division, KRIDL, BBMP, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

BBMP

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
		First Floor								
		North Side								
		Wall	Sqm	1	8.90		3.75	33.38		
		Beams	Sqm	3	0.60		1.30	2.34		
			Sqm	3	1.30	0.25		0.98		
		Slab	Sqm	1	8.15	1.30		10.60		
			Sqm	1	1.75	1.30		2.28		
		Deduction								
		Door	Sqm	-1	1.50		2.10	-3.15		
		Window	Sqm	-1	1.45		1.80	-2.61		
		Name Board	Sqm	-1	0.60		1.53	-0.92		
		South Side								
		Wall	Sqm	1	8.90		3.90	34.71		
		Chejja								
		For Window	Sqm	4	1.56	0.45		2.81		
			Sqm	4	0.45		0.10	0.18		
		For Ventilator	Sqm	2	1.00	0.40		0.80		
			Sqm	2	0.40		0.10	0.08		
		Deduction								
		Window	Sqm	-2	1.20		1.46	-3.50		
		Ventilator	Sqm	-1	0.60		0.60	-0.36		
		East Side								
		Wall	Sqm	1	17.46		3.75	65.48		
		Slab projection								
		Top Face	Sqm	1	17.46	0.45		7.86		
		Bottom Face	Sqm	1	17.46	0.37		6.46		
		Side Face	Sqm	1	17.46		0.15	2.62		
		Beam	Sqm	1	17.46	0.09		1.57		
			Sqm	1	17.46		0.30	5.24		
		Column	Sqm	6	0.34		3.90	7.96		
			Sqm	10	0.45		3.75	16.88		
		Chejja								
		Size 2.2X0.45	Sqm	8	2.20	0.45		7.92		
			Sqm	8	0.45		0.10	0.36		
		Size 1.56X0.45	Sqm	2	1.56	0.45		1.40		
			Sqm	2	0.45		0.10	0.09		
		Plinth Beam	Sqm	1	17.46		0.30	5.24		
			Sqm	1	17.46	0.09		1.57		
		Deduction								
		Window	Sqm	-4	1.45		1.80	-10.44		
			Sqm	-1	1.20		1.46	-1.75		
		West Side								
		Wall	Sqm	1	17.46		3.75	65.48		
		Slab projection								
		Top Face	Sqm	1	17.46	0.45		7.86		
		Bottom Face	Sqm	1	17.46	0.37		6.46		
		Side Face	Sqm	1	17.46		0.15	2.62		
		Beam	Sqm	1	17.46	0.09		1.57		
			Sqm	1	17.46		0.30	5.24		
		Column	Sqm	6	0.34		3.90	7.96		
			Sqm	10	0.45		3.75	16.88		
		Chejja								
		Size 2.2X0.45	Sqm	8	2.20	0.45		7.92		
			Sqm	8	0.45		0.10	0.36		
		Size 1.56X0.45	Sqm	2	1.56	0.45		1.40		
			Sqm	2	0.45		0.10	0.09		
		Plinth Beam	Sqm	1	17.46		0.30	5.24		
			Sqm	1	17.46	0.09		1.57		

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Assistant Executive Engineer,
Contractor
R.R. Nagar, Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer

Assistant Executive Engineer

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
		Deduction								
		Window								
			Sqm	-4	1.45		1.80	-10.44		
		Parapet walls	Sqm	-1	1.20		1.46	-1.75		
			Sqm	2	19.50		0.60	23.40		
			Sqm	2	17.50		0.60	21.00		
			Sqm	2	0.50		0.60	0.60		
			Sqm	2	1.50		0.60	1.80		
			Sqm	2	10.14		0.60	12.17		
			Sqm	2	8.29		0.60	9.95		
		Parapet walls Top Face	Sqm	2	0.54		0.60	0.65		
			Sqm	1	19.5	0.18		3.51		
			Sqm	1	17.5	0.18		3.15		
			Sqm	1	0.5	0.18		0.09		
			Sqm	1	1.5	0.18		0.27		
			Sqm	1	10.14	0.18		1.83		
			Sqm	1	8.29	0.18		1.49		
			Sqm	1	0.54	0.18		0.10		
		Staircase								
		Waist slab Bottom Face	Sqm	4	3.80	0.90		13.68		
		Side Face	Sqm	8	3.80		0.35	10.64		
			Sqm	8	3.80	0.10		3.04		
		Landing	Sqm	3	1.75	1.45		7.61		
		Side Face	Sqm	2	1.75		0.35	1.23		
			Sqm	4	1.45		0.35	2.03		
			Sqm	2	1.75	0.10		0.35		
			Sqm	4	1.45	0.10		0.58		
		Column	Sqm	2	1.10		7.80	17.16		
							Total Executed Quantity	569.24		
							Schedule B quantity	569.24		
							Now to be Paid Quantity	569.24	74.52	42420.00
		Item No.03 Providing. fabricating. assembling and fixing in position aluminium partitions using sections in combination of plain. single grove and double grove as per requirements for the frames of overall size 101.6mm x 44.45mm. 3.18mm thick having section weight. plain sections 2.40kg/m single grove section 2.541kg/m. and double grove section 2.683 kg/m and bottom bottom member 114.3 mm x 44.45 mm 3.18 mm thick and 2.6 46 kg/m, aluminium louvres of size 77.6mmx27.6mm 1.7mm, thick section weight 0.483kg/m bottom portions provided with 12mm. thick pre laminated sheet both side of approved colour lamination exterior grade; aluminium sections of mat finish or glossy finish using section, spacing of vertical member shall not exceed 0.6 m. c to c; sections are cut to the required lengths, joints mitered and corners grinded subdividing frames tennoned and riveted to the frames, the assembled frame should be stiffened with corner angles stripped and fixed with screws, rawl plugs and teak wood gutties to R.C.C.columns or masonry on sides, R.C.C. lintels or beams at top and floor at bottom, including cutting chistling and making good with cement mortar to match the surface, providing and fixing bottom panel filled with the materials to a height of 0.9m. from floor level and 5.5mm. thick plain glass for middle portion viz., 0.9m to 2.13 m. and top panel with lower sections, the glass and panels fitted with glazing clips of 19mmx17.3mm, with thickness of 0.9mm weight 0.124kg/m; aluminium sections pre-treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for non-adherence of mortars or any other sticky materials; vertical members embedded in the flooring by making suitable size holes and fixing with cement mortar, with necessary opening for fixing of doors of standard size (excluding cost of door opening) All the frame should be throughly cleaned free from rust, scale or dirt including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. -do-using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality.complete as per specifications and as per the directions of the Engineer-in-charge of the work									
		Measurments Taken On								
		Library Building - First Floor	Sqm	1	4.23		2.61	11.05		
			Sqm	1	4.60		2.61	12.01		
			Sqm	1	5.00		2.61	13.05		
			Sqm	1	6.60		2.61	17.23		
		Library Building - Second Floor	Sqm	1	3.10		3.00	9.30		
			Sqm	1	3.50		3.00	10.50		

CRC Kaundy Asst. Executive Engineer Project Division Yelahanka Zone BBMP, Bangalore - 92

CRC Kaundy Asst. Executive Engineer Project Division Yelahanka Zone BBMP, Bangalore - 92

Assistant Executive Engineer, R.R. Nagar, Sub-Division, KRIDL, BBMP, Bangalore

Assistant Engineer

Assistant Executive Engineer

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
		Deduction - Doors								
		Library Building - First Floor Doors	Sqm	-2	0.90		2.10	-3.78		
		Library Building - Second Floor Door	Sqm	-1	0.90		2.10	-1.89		
							Total Executed Quantity	67.46		
							Schedule B quantity	67.46		
							Now to be Paid Quantity	67.46	5109.48	344704.00
Item No.04		Providing, fabricating, assembling and fixing in position aluminium doors using following aluminium mat finish or glossy finish, outer frame plain section 101.6x 44.45mm thickness 3.18mm, section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mm thickness 3.18mm, section weight 1.505kg/m, top section 47.62x44.45mm thickness 3.00mm, section weight 1.426kg/m bottom section 114,3x44.45 thickness 3.18mm, section weight 2.646kg/m, door central section 49.91x44.45mm thickness 3.00mm, section weight 1.495 kg/m glazing clips 19x17.3x11mm thickness 0.9mm section weight 0.124kg/m; aluminium sections cut to length joint metred comers grinded, the shutters pivoted opening arrangement with heavy duty aluminium alloy automatic door closures floor mounted, providing and fouing standard approved accessories, such as aluminium handle for full width or length, tower bolts, lock, pivots: P.V.C. or rubber gasket with 5.5m, thick plain glass for top and bottom panel; aluminium sections treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for non-adherance of mortars or any other sticky materials; the assembled frame fitted with the comer angles, strips and fitted with screws, rawl plugs or teakwood gutties to R.C.C. columns or masonry on sides. beams and flooring in bottom. including cutting, chistling and making good with cement mortar to match the surface, all the frames throughly cleaned free from rust, scale, or dirt including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. do- using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality.complete as per specifications and as per the directions of the Engineer-in-charge of the work								
Measurments Taken On										
		Library Building - First Floor Doors	Sqm	2	0.90		2.10	3.78		
		Library Building - Second Floor Door	Sqm	1	0.90		2.10	1.89		
							Total Executed Quantity	5.67		
							Schedule B quantity	5.67		
							Now to be Paid Quantity	5.67	6814.80	38640.00
Item No.05		Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia.complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			No					1.00		
		Vide Total executed Quantity from premeasurement Page no.01					Total Executed Quantity	1.00		
							Schedule B quantity	1.00		
							Now to be Paid Quantity	1.00	2727.00	2727.00
Item No.06		Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system KPWD SR 2007-08 (P-23, 1 23) Regulator Model (Khaitan, Crompton Geaves, Orient, Polar, Bajaj, Usha, Havells, Almonard (p.23/1.23.11) complete as per specifications and as per the directions of the Engineer-in-charge of the work								
Measurments Taken On										
		Regular Model	Each	16				16.00		
							Total Executed Quantity	16.00		
							Schedule B quantity	16.00		
							Now to be Paid Quantity	16.00	1800.00	28800.00
									Sub Total	2154505.00
									Add 4% KRIDL Charges	86180.00
									Add 12% GST Charges	258541.00
									Total Amount	2499226.00

Assistant Executive Engineer, R.T. Nagar, Sub-Division, KRIDL, BBMP, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer